

**10/529818**

**JC17 Rec'd PCT/PTO 31 MAR 2005**  
**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q87174

Kenichi OKADA, et al.

Appln. No.: Not Assigned

Confirmation No.: Not Assigned

Group Art Unit: Not Assigned

Filed: March 30, 2005

Examiner: Not Assigned

For: ELECTRODE SUBSTRATE, PHOTOELECTRIC CONVERSION ELEMENT,  
CONDUCTIVE GLASS SUBSTRATE AND METHOD OF MANUFACTURING THE  
SAME, DYE-SENSITIZED SOLAR CELL

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Unexamined Patent Application 1-220380, published September 4, 1989.

Corresponds to U.S. Patent 4,927,721, issues May 22, 1990.

2. O'Regan and Graetzel, "A low-cost, high-efficiency solar cell based on dye-sensitized colloidal TiO<sub>2</sub> films", *Nature*, Vol. 353, October 24, 1991, pp. 737-740.

INFORMATION DISCLOSURE STATEMENT  
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3. Published Japanese Translation 8-15097 published February 14, 1996, of PCT International application publication WO 91/16719, the corresponding PCT application of Japanese Patent Application 1-220380.

The following references are cited in the International Search Report:

4. WO 00/48212 published August 17, 2000
5. Japanese Application 2002-536805, published October 29, 2002 which corresponds to WO 00/48212.
6. WO 00/42674 published July 20, 2000
7. Japanese Application 2002-535808, published October 22, 2002 which corresponds to WO 00/42674.
8. JP 6-204541 published July 22, 1994
9. DE 4303055 published August 26, 1993
10. JP 8-51229 published February 20, 1996
11. JP 2003-203681, published July 18, 2003; with English Abstract
12. JP 2003-203682 published July 18, 2003
13. JP 2003-203683 published July 18, 2003
14. U.S. Patent Application Publication 2002/014721 published October 17, 2002.
15. Japanese Unexamined Patent Application No. 2001-283941, published October 12, 2001.
16. Japanese Unexamined Patent Application No. 2000-231942, published August 22, 2000.

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17. Japanese Unexamined Patent No. 9-82997, published March 28, 1997.

18. Japanese Unexamined Patent Application 2000-285977, published October 13, 2000.

19. WO 95/06320, published March 2, 1995; corresponds to DE 4303055

One copy of each of the listed documents is submitted herewith, except for the following:

U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under § 1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents, together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

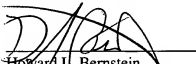
The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
Howard I. Bernstein  
Registration No. 25,665

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: March 30, 2005

Substitute for Form 1449 A & B/PTO  <b><u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u></b>  (use as many sheets as necessary)		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">Not Assigned</td> </tr> <tr> <td>Confirmation Number</td> <td>Not Assigned</td> </tr> <tr> <td>Filing Date</td> <td>March 30, 2005</td> </tr> <tr> <td>First Named Inventor</td> <td>Kenichi OKADA</td> </tr> <tr> <td>Art Unit</td> <td>Not Assigned</td> </tr> <tr> <td>Examiner Name</td> <td>Not Assigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>O87174</td> </tr> </table>		Application Number	Not Assigned	Confirmation Number	Not Assigned	Filing Date	March 30, 2005	First Named Inventor	Kenichi OKADA	Art Unit	Not Assigned	Examiner Name	Not Assigned	Attorney Docket Number	O87174
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## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 4,927,721		05-22-1990	Gratzel et al.
		US 6,462,266	B1	10-08-2002	Kurth
		US 2002/014721		10-17-2000	Lindquist et al.
		US			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		WO	00/48212	A1	08-17-2000	Kurthglas & Spiegel AG	
		JP	2002-536805	A	10-29-2002		
		WO	00/42674	A1	07-20-2000	Lindquist	
		JP	2002-535808		10-22-2002		
		JP	6-204541	A	07-22-1994	Canon Inc.	
		DE	4303055	A1	08-26-1993	Quinten	
		JP	8-51229	A	02-20-1996	Sharp Corporation	
		JP	2003-203681	A	07-18-2003	Fujikura, Ltd.	English Abstract
		JP	2003-203682	A	07-18-2003	Fujikura, Ltd.	
		JP	2003-203683	A	07-18-2003	Fujikura, Ltd.	
		JP	1-220380	A	09-04-1989		
		JP	8-15097	B2	2-14-1989		
		WO	91-16719		10-31-1991		
		JP	2000-283941	A	10-12-2001	Hitachi Maxwell, Ltd.	
		JP	2001-231942	A	08-22-2002	Nikon Corp.	
		JP	9-82997	A	03-28-1997	Sharp Corp.	
		JP	2000-285977	A	10-13-2000	Fuji Photo Film Co., Ltd.	
		WO	95/06320		03-02-1995		

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		O'REGAN and GRAETZEL, "A low-cost, high-efficiency solar cell based on dye-sensitized colloidal TiO <sub>2</sub> films", <i>Nature</i> , Vol. 353, October 24, 1991, pp. 737-740.	

Examiner Signature	/Golam Mowla/	Date Considered	06/10/2009
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH.**

1. Standardization by the appropriate symbols is indicated on the document under VPI's Standard 1. To (if possible) 1. Application is to indicate here if English